



PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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*Christine Sheward*  
Signature

Applicant : Wilf Le Blanc et al.  
Application No. : 09/697,777  
Filed : October 26, 2000  
Title : VOICE AND DATA EXCHANGE OVER A PACKET BASED  
NETWORK WITH COMFORT NOISE GENERATION  
Grp./Div. : 2644  
Examiner : To be Assigned  
Docket No. : 39542/PAN/B600

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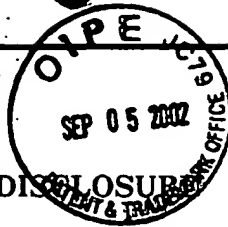
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ATTACHMENT TO  
INFORMATION DISCLOSURE STATEMENT  
OF U.S. PATENT APPLICATIONS TO BE CONSIDERED BY THE EXAMINER  
BUT NOT TO BE PRINTED ON THE PATENT

The following commonly owned, co-pending patent applications contain similar subject matter as the present application.

PENDING APPLICATIONS		
U.S. Serial No.	Filing Date	First Named Inventor(s)
09/639,527	August 16, 2000	Jordan James Nicol
09/493,458	January 28, 2000	Henry Li
09/643,920	August 23, 2000	Onur Tackin et al.
09/692,554	October 19, 2000	Wilf Le Blanc et al.
09/644,586	August 23, 2000	Henry Li
09/643,921	August 23, 2000	Wilf Le Blanc et al.
09/653,261	August 31, 2000	Onur Tackin et al.
09/654,376	September 1, 2000	Onur Tackin
09/533,022	March 22, 2000	Wilf Le Blanc et al.
09/651,006	August 29, 2000	Kenny C. Kwan
09/522,184	March 9, 2000	Henry Li et al.
EXAMINER	<i>S. Cangiclosi</i>	DATE CONSIDERED <i>1/05</i>

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	39542/PAN/B600
Application Number	09/697,777
Filing Date	October 26, 2000
Applicant(s)	Wilf Le Blanc et al.
Group Art Unit	<del>2644</del> 3621
Examiner Name	To be Assigned S. Cengizoglu

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - kind code <sup>2</sup> . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
gc		4,285,060	08-18-1981	Cobb et al.
gc		4,617,676	10-14-1986	Jayant et al.
gc		5,119,322	06-02-1992	Stroobach
gc		5,329,587	07-12-1994	Morgan et al.
gc		5,339,384	08-16-1994	Chen
gc		5,353,346	10-04-1994	Cox et al.
gc		5,388,127	02-07-1995	Scarpa
gc		5,452,289	09-19-1995	Sharma et al.
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gc		5,600,649	02-04-1997	Sharma et al.
gc		5,694,517	12-02-1997	Sugino et al.
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gc		5,793,498	08-11-1998	Scholl et al.
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gc		5,852,630	12-22-1998	Langberg et al.

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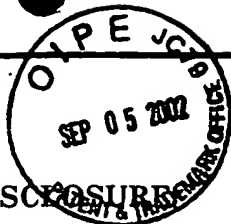
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Attorney Docket Number 39542/PAN/B600

Application Number 09/697,777

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Applicant(s) Wilf Le Blanc et al.

Group Art Unit 2644 3621

Examiner Name To be Assigned S. Cangialosi

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - kind code <sup>2</sup> (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
gic		5,859,671	01-12-1999	Kim
gn		5,970,441	10-19-1999	Mekuria
gic		5,987,061	11-16-1999	Chen
gn		6,023,470	02-08-2000	Lee et al.
gic		6,028,679	02-22-2000	Murphy
gn		6,125,177	09-26-2000	Whittaker
gn		6,141,341	10-31-2000	Jones et al.
gn		6,151,636	11-21-2000	Schuster et al.
gn		6,233,226 B1	05-15-2001	Gringeri et al.
gn		6,259,677 B1	07-10-2001	Jain

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
gn		WO 97/26753 A1	07-24-1997	I-Link Worldwide, Inc.	
gn		WO 97/28628 A1	08-07-1997	Labs of Advanced Technologies International Corporation	

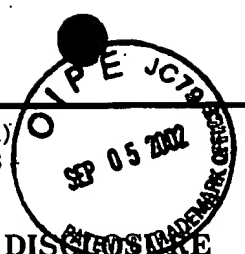
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EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
gr		R. W. LUCKY, <i>QAM Receiver I. General Description of Complete Receiver Block Diagram and Details of the Symbol Clock Recovery and Other Front-End Subsystems</i> , Applications of Communications Theory, Chapter 13, pages 127-135, Bellcore
gr		R. W. LUCKY, <i>QAM Receiver II. The Passband Adaptive Equalizer and Carrier Recovery System</i> , Applications of Communications Theory, Chapter 14, Pages 137-151, Bellcore
gr		EDWARD A. LEE et al., <i>Adaptive Equalization</i> , Digital Communication, Chapter 9, pages 371-402
gr		EDWARD A. LEE et al., <i>Timing Recovery</i> , Digital Communication, Chapter 15, Pages 560-582
gr		WILLIAM WEBB et al., <i>Basic Equaliser Techniques</i> , Modern Quadrature Amplitude Modulation, Principles and Applications for Fixed and Wireless Communications, IEEE Press, New York, Chapter 7, Pages 197-211
gr		MIKE GRAY, <i>FAX Technology Tutorial and Testing Issues</i> , Agilent Technologies, © 2000, pages 1-20
gr		<i>FAX Over IP Opportunities and Options</i> , Natural MicroSystems, 7 sheets
gr		EIA/TIA-464-B, Requirements for Private Branch Exchange (PBX) Switching Equipment, "6 Signaling Requirements, 6.1 Network Signaling - Analog," pages 140-146
gr		MAN MOHAN SONDHİ et al., <i>Silencing Echoes on the Telephone Network</i> , Proceedings of the IEEE, © August 1980, Vol. 68, No. 8, pages 948-963
gr		JOHN G. PROAKIS, <i>Digital Signaling Over a Channel With Intersymbol Interference</i> , Digital Communications, ISBN 0-07-05097-1, © 1983, Pages 357-381, McGraw-Hill, Inc.
gr		BELL COMMUNICATIONS RESEARCH, <i>Dual-Tone Multifrequency Receiver Generic Requirements for End-to-End Signaling Over Tandem-Switched Voice Links</i> , © March 1987, Technical Reference TR-TSY-000181 Issue 1, 11 sheets
gr		BELL COMMUNICATIONS RESEARCH, <i>Impulse Noise Tape No. 201</i> , Technical Reference TR-TSY-000762 Issue 1, © July 1987, 4 sheets

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Group Art Unit	2844 3026
Examiner Name	To be Assigned

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OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
SR		BELL COMMUNICATIONS RESEARCH, <i>Digit Simulation Test Tape</i> , Technical Reference TR-TSY-000763 Issue 1, © July 1987, 6 sheets
SR		JOHN A.C. BINGHAM, <i>Timing Recovery</i> , The Theory and Practice of Modem Design, © 1988, Chapter 7, pages 189-236, John Wiley & Sons, Inc.
SR		JOHN A.C. BINGHAM, <i>Linear Adaptive Equalizers</i> , The Theory and Practice of Modem Design, © 1988, Chapter 8, pages 237-252, John Wiley & Sons, Inc.
SR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>Pulse Code Modulation (PCM) of Voice Frequencies</i> , ITU-T Recommendation, G. 711; © ITU 1988, 1993; 8 sheets
SR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Transmission Systems and Media, Apparatus Associated With Long-Distance Telephone Circuits and Other Terminal Equipments, <i>Echo Suppressors</i> , ITU-T Recommendation, G. 164; © ITU 1988, 1993; 36 sheets
SR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>7 kHz Audio -Coding Within 64 Kbit/s</i> , ITU Recommendation; G. 722; © ITU 1988, 1993; 76 sheets
SR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations On Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Technical Features of Push-Button Telephone Sets</i> , ITU-T Recommendation; Q 23; © ITU 1988, 1993, 4 sheets
SR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations on Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Multifrequency Push-button Signal Reception</i> , ITU-T Recommendation, Q. 24, © ITU 1988, 1993, 7 sheets

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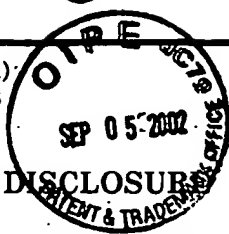
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Group Art Unit

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EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
SE		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, 300 Bits Per Second Duplex Modem Standardized For Use in The General Switched Telephone Network, ITU-T Recommendation V. 21; © ITU 1988, 1993; 7 sheets
SE		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, 1200 Bits Per Second Duplex Modem Standardized For Use In The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits, ITU-T Recommendation V.22, © ITU 1988, 1993; 16 sheets
SE		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, 2400 Bits Per Second Duplex Modem Using The Frequency Division Technique Standardized For Use On The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits, ITU-T Recommendation V.22 bis, © 1988, 1993; 18 sheets
SE		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, 4800/2400 Bits Per Second Modem Standardized For Use in The General Switched Telephone Network, ITU-T Recommendation, V.27 ter, © ITU 1988, 1993; 15 sheets
SE		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, 9600 Bits Per Second Modem Standardized For Use On Point-To-Point 4-Wire Leased Telephone-Type Circuits, ITU-T Recommendation, V. 29, © ITU 1988, 1993, 17 sheets
SM		FUYUN LING et al., <i>Convergence and Steady-State Behavior of a Phase-Splitting Fractionally Spaced Equalizer</i> , IEEE Transactions on Communications, © April 4, 1990, Vol. 38, No. 4, pages 418-425, IEEE
SE		PAUL FISCHER, <i>State Machines In C</i> , The C Users Journal, December 1990, pages 119-122

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gle		INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, <i>Data Compression Procedures For Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures</i> , ITU-T Recommendation, V.42 bis; © ITU 1990; 29 sheets
gle		INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, 40, 32, 24, 16 kbit/s <i>Adaptive Differential Pulse Code Modulation (ADPCM)</i> , ITU-T Recommendation, G.726; © 1990; 59 sheets
gle		INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, 5-, 4-, 3- And 2-bits <i>Sample Embedded Adaptive Differential Pulse Code Modulation (ADPCM)</i> ; Recommendation G. 727; © ITU 1990; 57 sheets
gle		INTERNATIONAL TELECOMMUNICATION UNION, CCITT- The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, <i>A 2-Wire Modem for Facsimile Applications With Rates up to 14 400 bit/s</i> , Recommendation V. 17; © ITU 1991; 13 sheets
gle		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>A Duplex Modem Operating At Data Signalling Rates Of Up To 14 400 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits</i> , ITU-T Recommendation V. 32 bis; © ITU 1991, 24 sheets
gle		DENNIS R. MORGAN et al., AT & T Bell Laboratories; <i>A Multi-Tone Pseudo-Cascade Filtered-X LMS Adaptive Notch Filter</i> , Proceeding of the IEEE International Conference in Acoustic Speech and Signal Processing, ICASSP 91, Vol. 3 D, May 1991, Toronto, Ontario, Canada, pages 2093-2096

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JS		PANOS E. PAPAMICHALIS, Texas Instruments, Inc., <i>Practical Approaches to Speech Coding</i> , Prentice-Hall, Inc., Englewood Cliffs, New Jersey; 1992, pages 163-167
SM		JAMES THI et al., AT & T Bell Laboratories; <i>A Broadband Pseudo-Cascade Active Control System</i> , Proceeding of the IEEE International Conference in Acoustic Speech and Signal Processing; © 1992 IEEE; pp. II-233-II-236
COE		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; General Aspects of Digital Transmission Systems; Terminal Equipments, <i>Coding of Speech at 16 kbit/s Using Low-delay Code Excited Linear Prediction</i> , Recommendation G. 728; 09/1992, 65 sheets
COE		DENNIS R. MORGAN et al., AT & T Bell Laboratories, <i>A Multitone Pseudocascade Filtered-X LMS Adaptive Notch Filter</i> , IEEE Transactions on Signal Processing, Vol. 41, No. 2; © February 1993; pages 946-956
MC		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Characteristics of International Telephone Connections and International Telephone Circuits, <i>Echo Cancellers</i> , ITU-T Recommendation G. 165; © ITU 1994; 31 sheets
GA		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>A Family Of 2-Wire, Duplex Modems Operating At Data Signalling Rates Of Up To 9600 bit/s For Use On The General Switched Telephone Network And On Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.32; © 1993; 26 sheets
COE		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>ERROR-CORRECTING PROCEDURES FOR DCES USING ASYNCHRONOUS-TO-SYNCHRONOUS CONVERSION</i> , ITU-T Recommendation V. 42; © ITU 1993; 78 sheets
GC		GARDNER et al.; Qualcomm Inc.; <i>QCELP: A Variable Rate Speech Coder for CDMA Digital Cellular</i> , © 1993 by Kluwer Academic Publishers; Second Printing 1995; 9 sheets

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SL		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; Data Communication Over The Telephone Network, A Modem Operating At Data Signalling Rates Of Up To 28 800 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits, ITU-T Recommendation V.34; © ITU 1994; 43 sheets
SL		INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Coding of Speech at 16 kbit/s Using Low-Delay Code Excited Linear Prediction, Annex G: 16 kbit/s Fixed Point Specification, ITU-T Recommendation G.728 - Annex G; © ITU 1995; 67 sheets
SL		IEEE; IEEE Standards for Local and Metropolitan Area Networks: Supplement to Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, "Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30); © 1995; 408 sheets
SL		DENNIS R. MORGAN et al., A Delayless Subband Adaptive Filter Architecture, IEEE Transactions on Signal Processing; Vol. 43, No. 8; © August 1995, pages 1819-1830
SL		Internet Papers: SCHULZRINNE H.; RTP Profile for Audio and Video Conferences with Minimal Control, Network Working Group Request for Comments: 1890; <a href="http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc1890.html">http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc1890.html</a> ; January 1996; 15 sheets
SL		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Dual Rate Speech Coder For Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s; ITU-T Recommendation G. 723.1; © ITU 1996; 31 sheets
SL		BELLCORE Bell Communication Research, Generic Requirements GR-506-CORE, LSSGR: Signaling for Analog Interfaces, (A Module of LSSGR, FR-64); Issue 1; © June 1996; 240 sheets

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FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number

39542/PAN/B600

Application Number

09/697,777

Filing Date

October 26, 2000

Applicant(s)

Wilf Le Blanc et al.

Group Art Unit

2644

Examiner Name

To be Assigned

Technology Center 2600

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TR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T- Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Procedures for Document Facsimile Transmission in the General Switched Telephone Network</i> , ITU-T Recommendation T. 30; © ITU 1997; 74 sheets
GR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Standardization of Group 3 Facsimile Terminals for Document Transmission</i> , ITU-T Recommendation T. 4; © ITU 1997; 61 sheets
GP		European Telecommunication Standard, <i>Digital Cellular Telecommunications System; Half Rate Speech; Voice Activity Detector (VAD) for Half Rate Speech Traffic Channels (GSM 06.42 version 5.0.1)</i> ; Source ETS; TC-GSM; Reference DE/SMG-110642Q; ©1997; 21 sheets
GR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T, Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>B-ISDN ATM Adaptation Layer Specification: Type 2 AAL</i> , ITU-T Recommendation I.363.2; © 1998; 47 sheets
GR		Internet Papers: PERKINS et al.; <i>RTP Payload for Redundant Audio Data</i> ; Network Working Group Request for Comments: 2198; <a href="http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html">http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html</a> ; September 1997; pages 1-9
GR		Internet Papers: SCHULZRINNE, "RTP Profile for Audio and Video Conferences with Minimal Control," Internet Engineering Task Force, Internet Draft; <a href="http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-C.">http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-C.</a> ; November 20, 1997; pages 1-29
GR		IMTC Voice over IP Forum Technical Committee, "IMTC Voice over IP Forum Service Interoperability Implementation Agreement 1.0," December 1, 1997, VoIP97-061; pages 1-44

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SA		EDWARD B. MORGAN, Fax Over Packet; Telogy Networks, Inc., Germantown, Maryland; © 1998; pages 1-12
SP		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over The Telephone Network, <i>A Modem Operating at Data Signalling Rates of up to 33 600 bit/s for Use on the General Switched Telephone Network and on Leased Point-to-Point 2-Wire Telephone-Type Circuits</i> ; ITU-T Recommendation V. 34; © ITU 1998; 78 sheets
SP		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, SERIES T: TERMINALS FOR TELEMATIC SERVICES, <i>Procedures for Real Time Group 3 Facsimile Communication Over IP Networks</i> , ITU-T Pre-published Recommendation T. 38; © ITU 1998; 32 sheets
SP		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over the Telephone Network, <i>Simultaneous Transmission of Data and Other Signals, A Digital Modem and Analogue Modem Pair For Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 bit/s Downstream and up to 33 600 bit/s Upstream</i> , ITU-T Recommendation V. 90; © ITU 1999; 49 sheets
SP		FRAME RELAY FORUM TECHNICAL COMMITTEE, <i>Voice over Frame Relay Implementation Agreement</i> ; © 1998; 54 sheets
SP		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>AAL Type 2 Service Specific Convergence Sublayer For Trunking</i> ; ITU-T Recommendation I.366.2; © ITU 1999; 96 sheets

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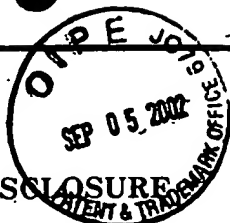
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SA		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, <i>Automatic Level Control Devices</i> ; ITU-T Recommendation G.169; © ITU 1999; pages 1-52
GR		Internet Papers: SCHULZRINNE et al.; <i>RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals</i> ; Network Working Group Request for Comments: 2833; © The Internet Society 2000; 31 sheets
GR		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, International Telephone Connections and Circuits - Apparatus Associated With Long-Distance Telephone Circuits, <i>Digital Network Echo Cancellers</i> ; ITU-T Recommendation G. 168; © ITU 1997; 95 sheets
GR		ETSI EN 300 973, GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS, <i>Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels</i> ; GSM 06.42 version 8.0.1 Release 1999); © 2000; pages 1-22

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